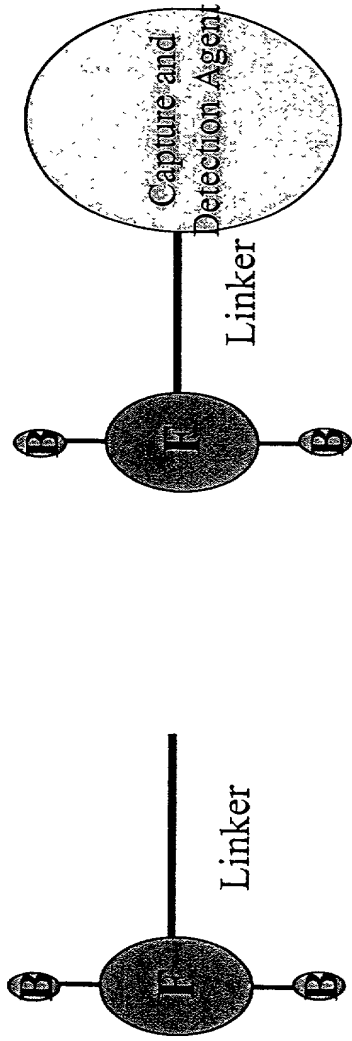


## High-throughput Target ID



Library of Bioactive  
Compounds

Library of Target ID  
Compounds

Use corresponding  
activity-based probe to  
identify the biological target

FIGURE 1

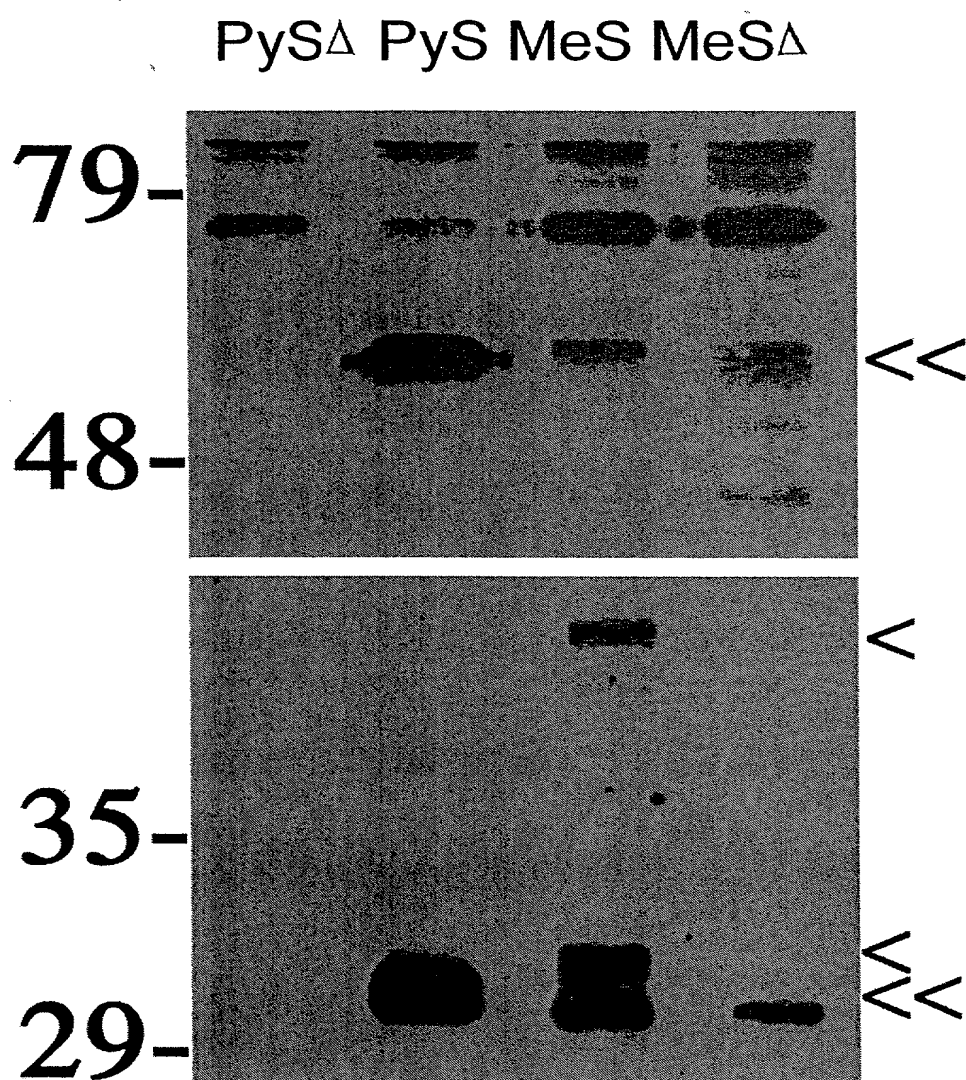


FIGURE 2



**FIGURE 3**

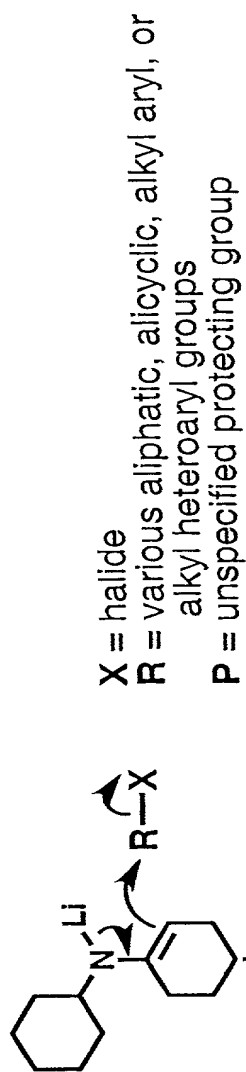
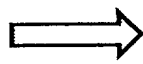
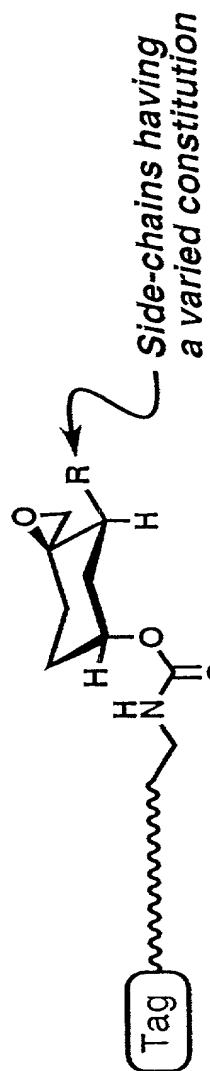
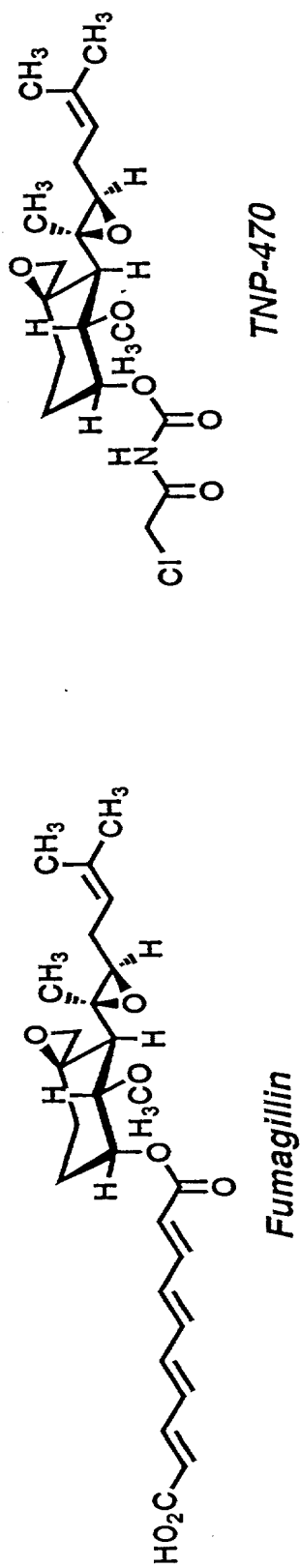


FIGURE 4A

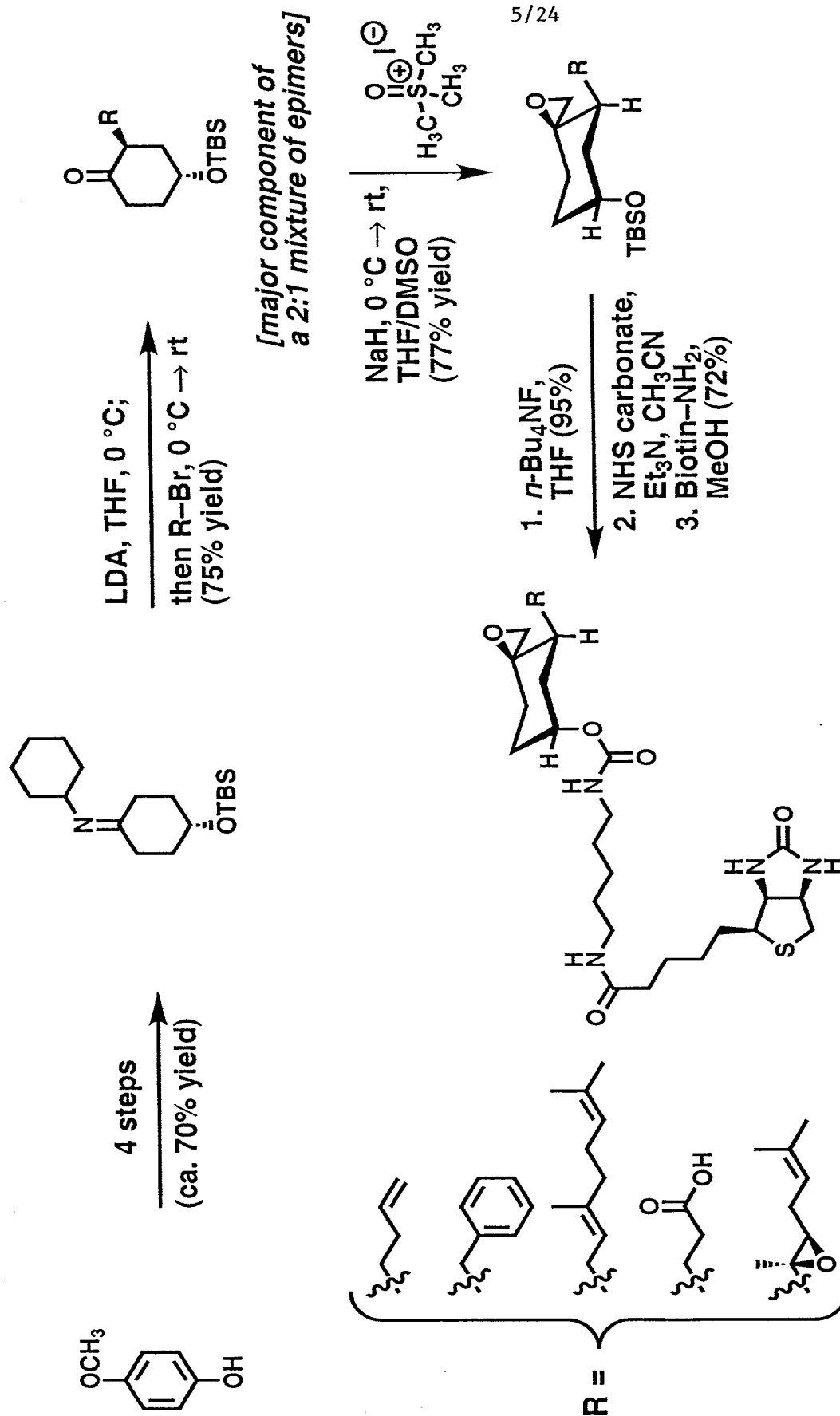
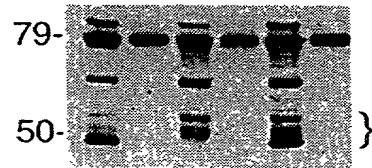


FIGURE 4B



FP-peg-biotin ( $\mu$ M)	4	4	0	0	2	2
FP-biotin ( $\mu$ M)	0	0	4	4	2	2
Preheated	-	+	-	+	-	+



FP-peg-biotin	-	-	+	+
FP-biotin	+	+	-	-
Preheated	+	-	-	+

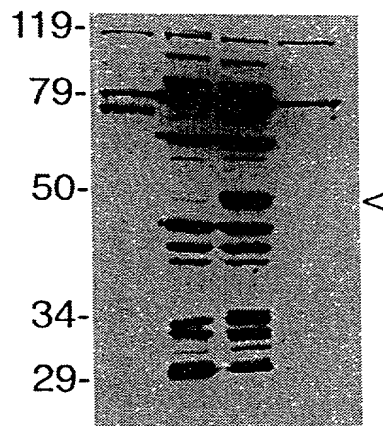


FIGURE 6

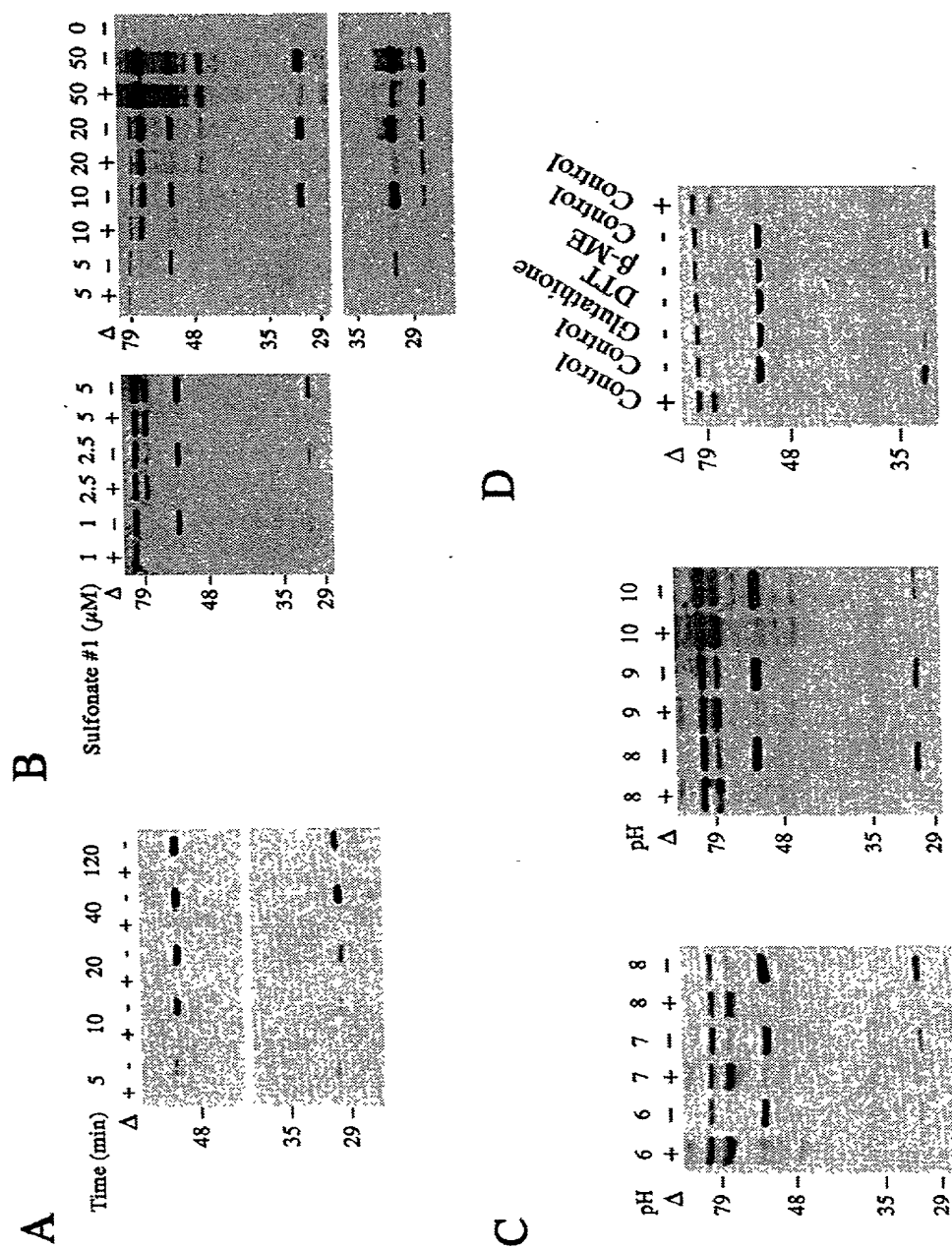


FIGURE 7



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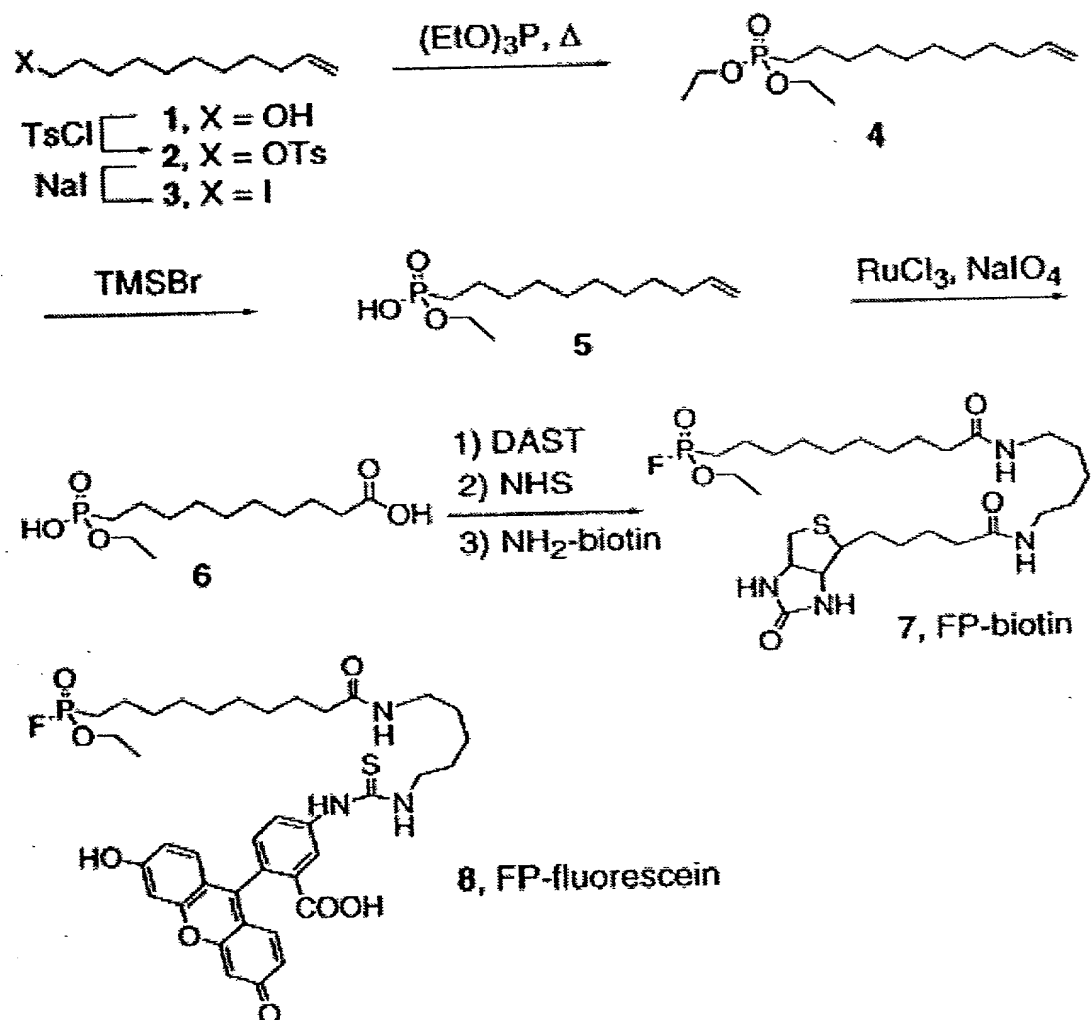


FIGURE 8

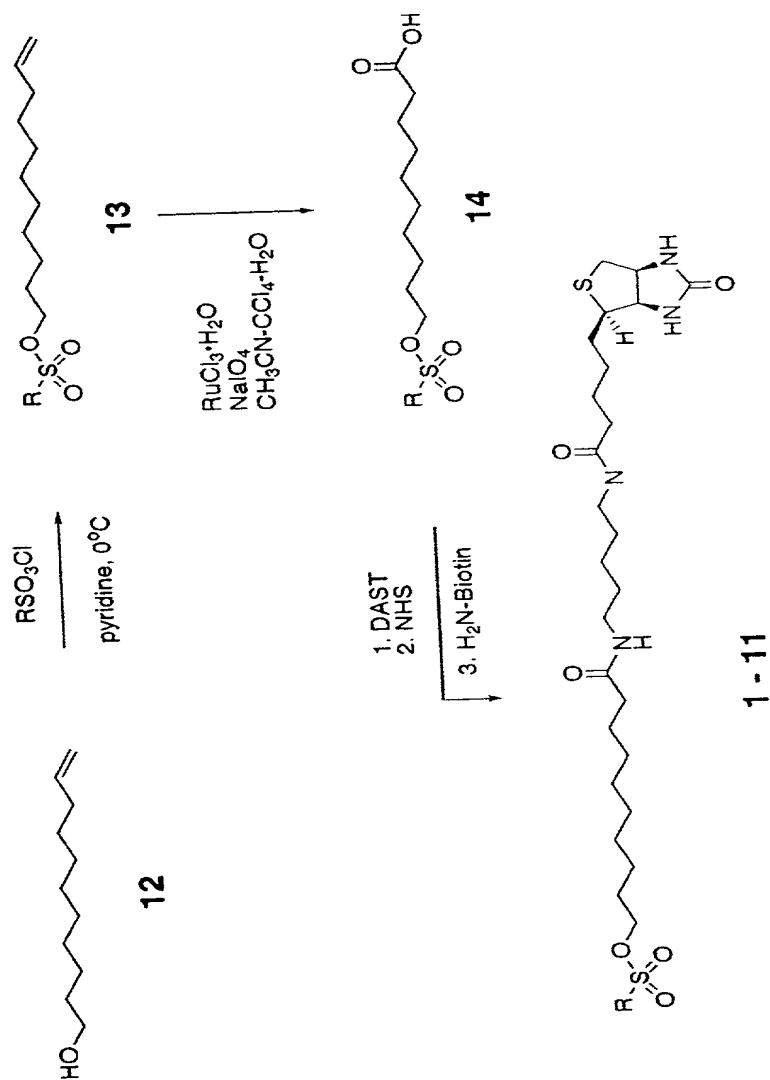
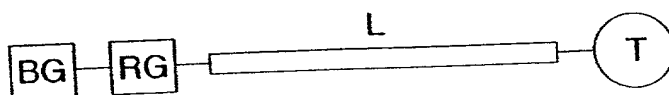
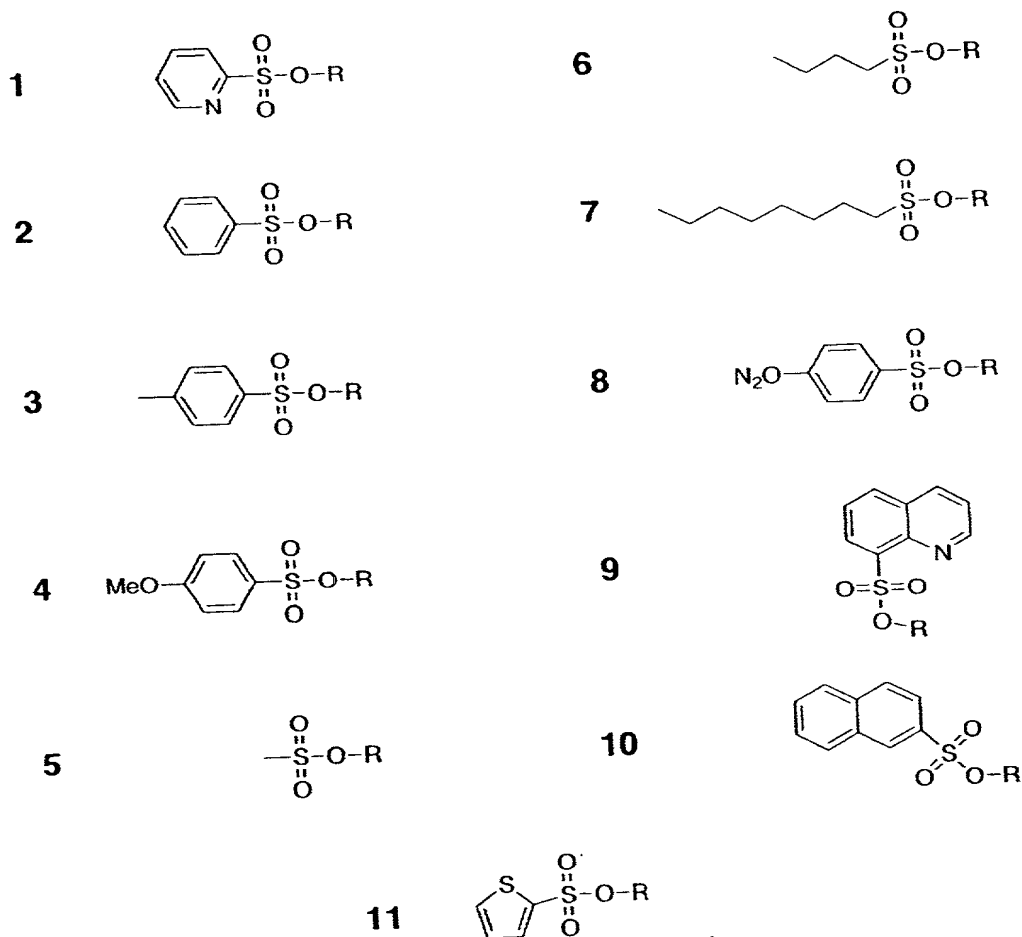
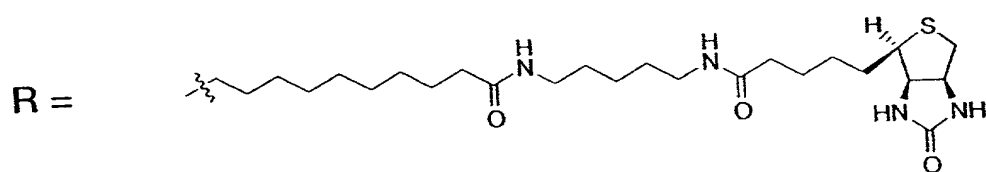
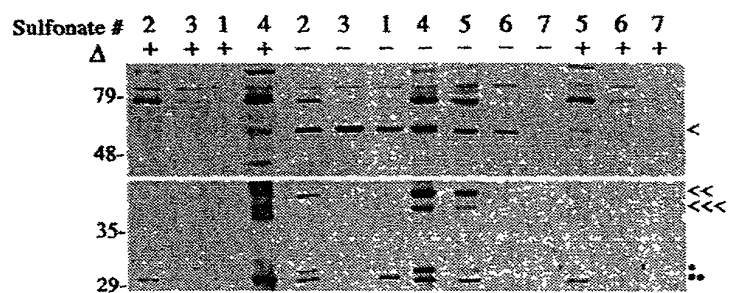
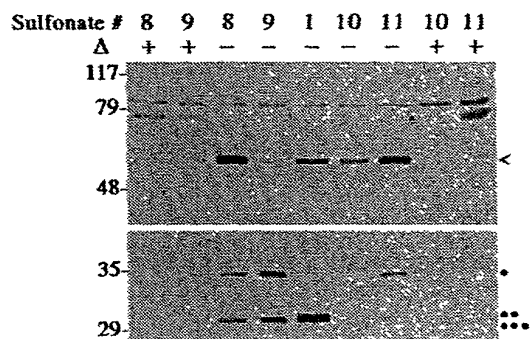


FIGURE 9

**A.****B.****FIGURE 10**

**A****B****FIGURE 11**

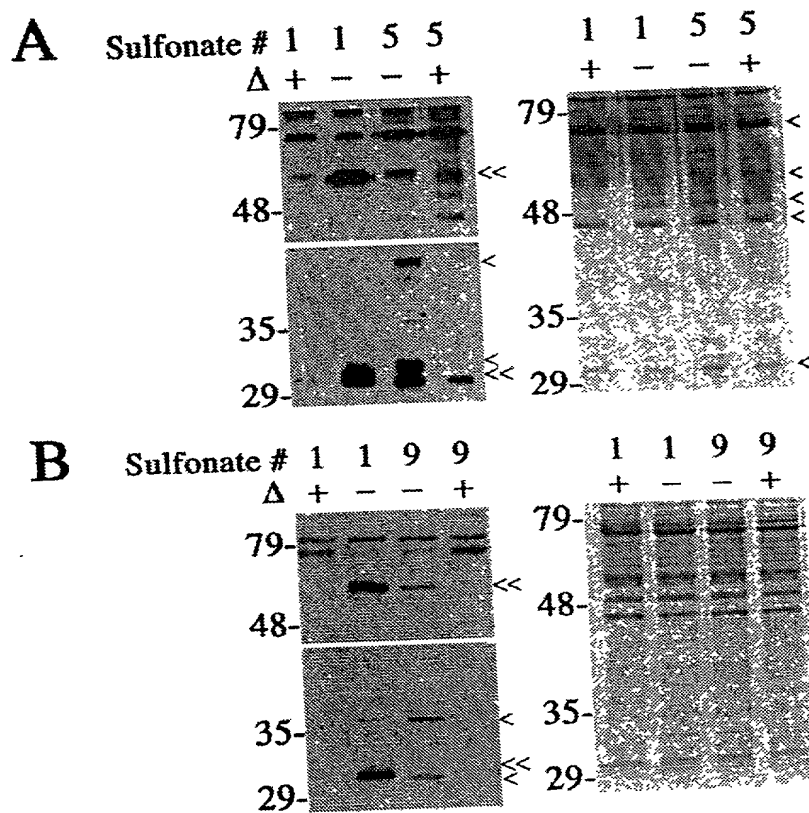
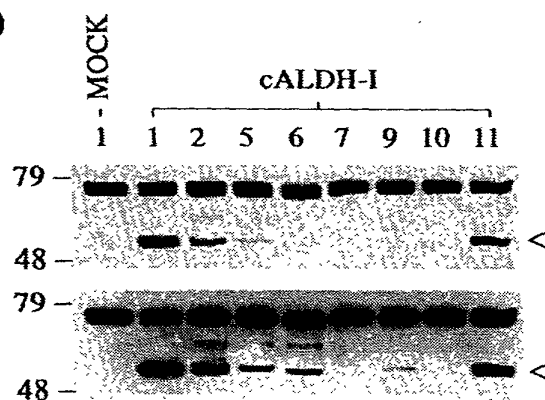
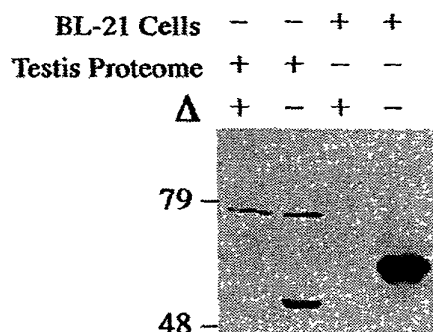
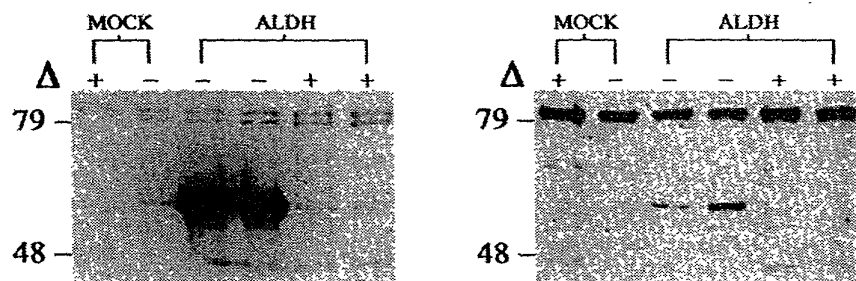
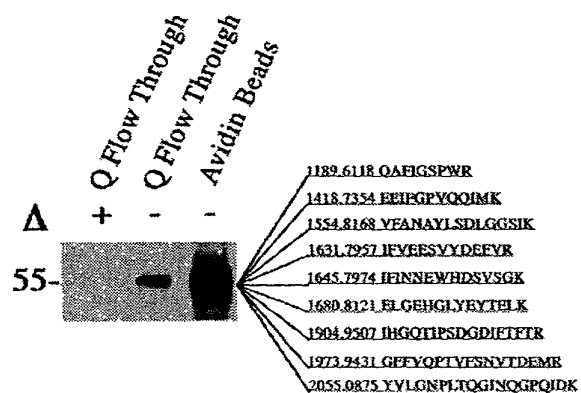


FIGURE 12



**FIGURE 13**

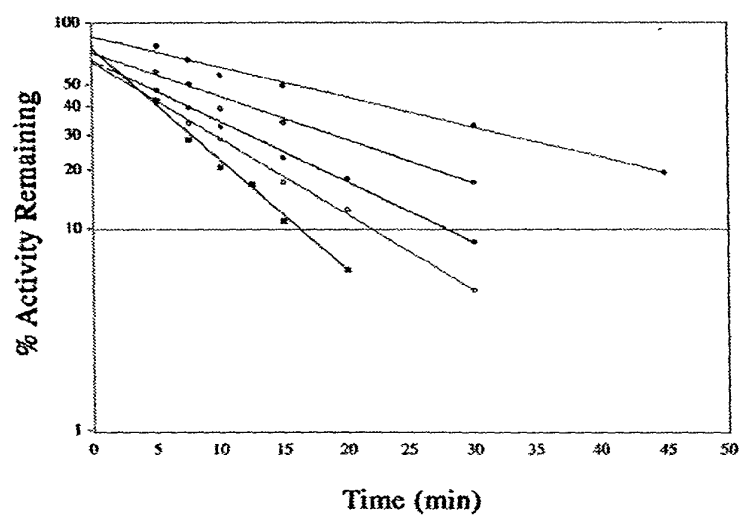
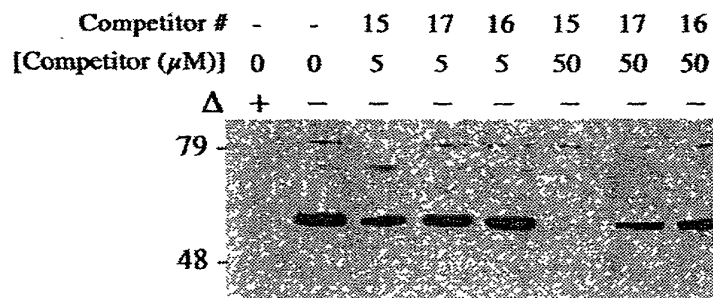
**A****B**

FIGURE 14

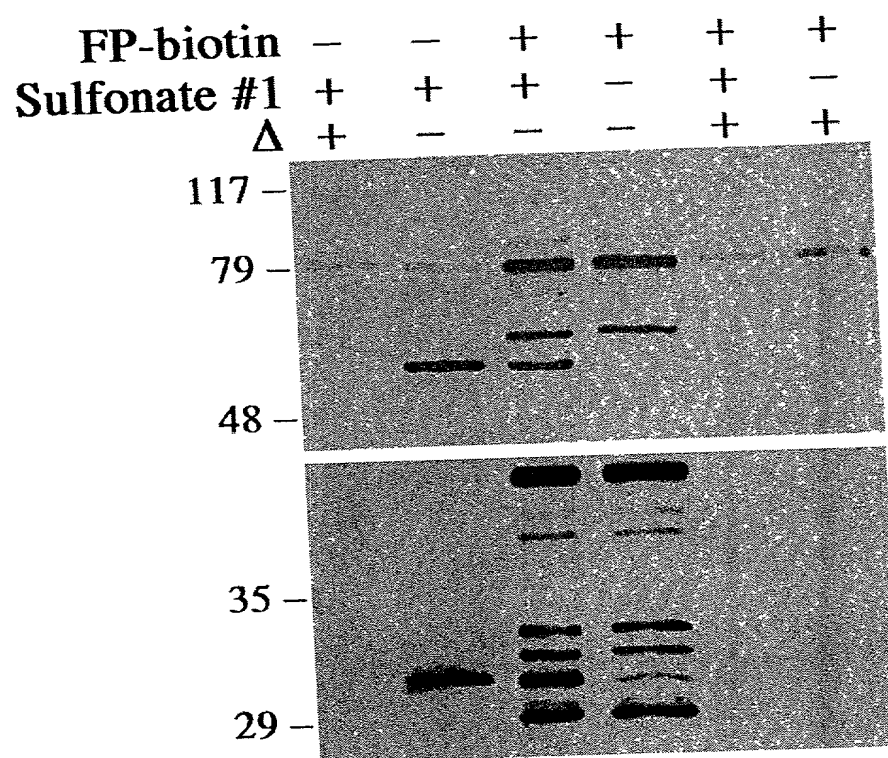


FIGURE 15



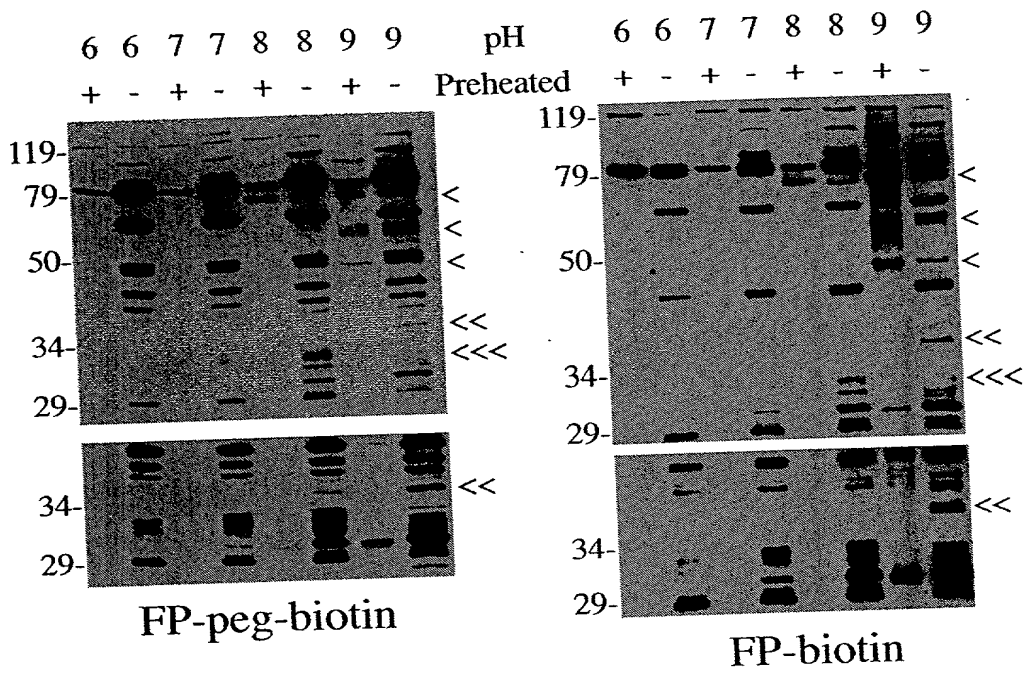


FIGURE 16

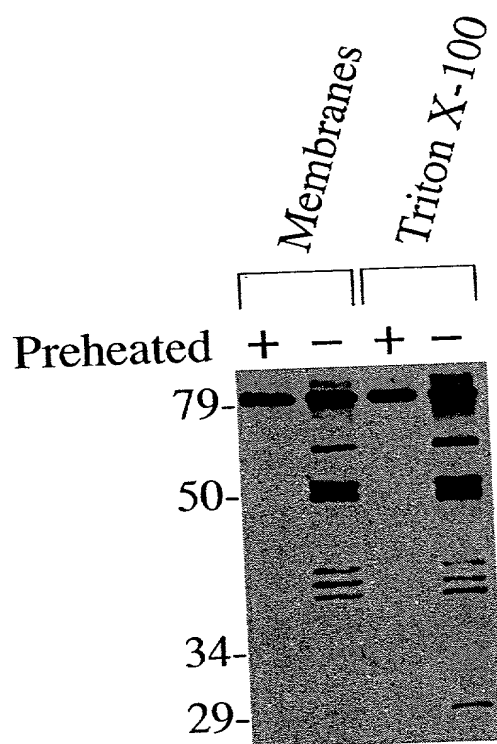


FIGURE 17

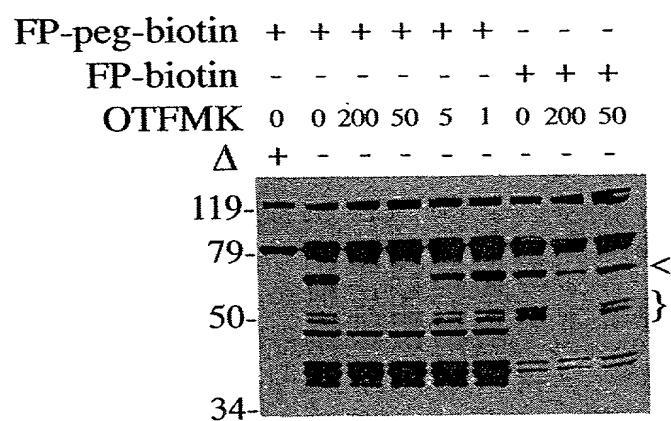


FIGURE 18

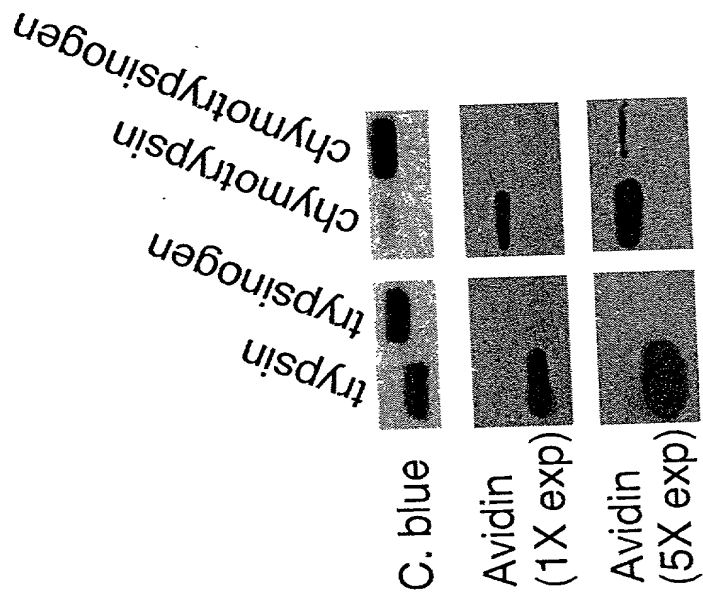
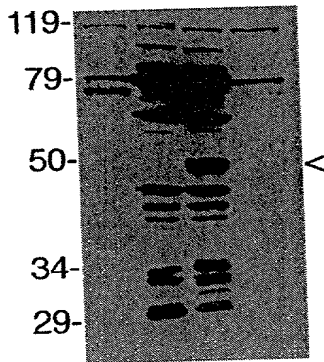


FIGURE 19

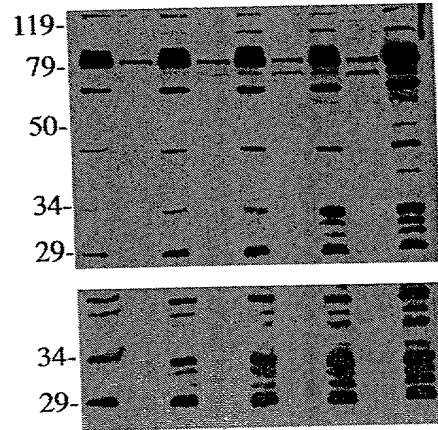
A.

FP-peg-biotin - - + +  
 FP-biotin + + - -  
 Preheated + - - +



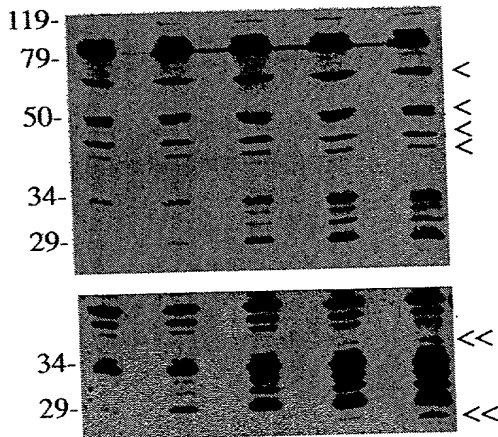
B.

FP-biotin ( $\mu$ M) 0.5 1 1 2 2 4 4 8 8  
 Preheated - + - + - + - + -



C.

FP-peg-biotin ( $\mu$ M) 0.5 1 1 2 2 4 4 8 8  
 Preheated - + - + - + - + -



D.

FP-peg-biotin ( $\mu$ M) 1 2 8

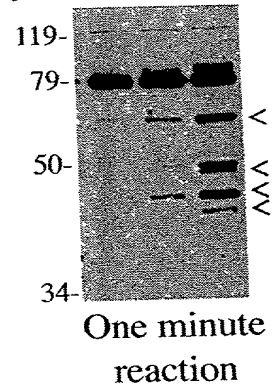


FIGURE 20

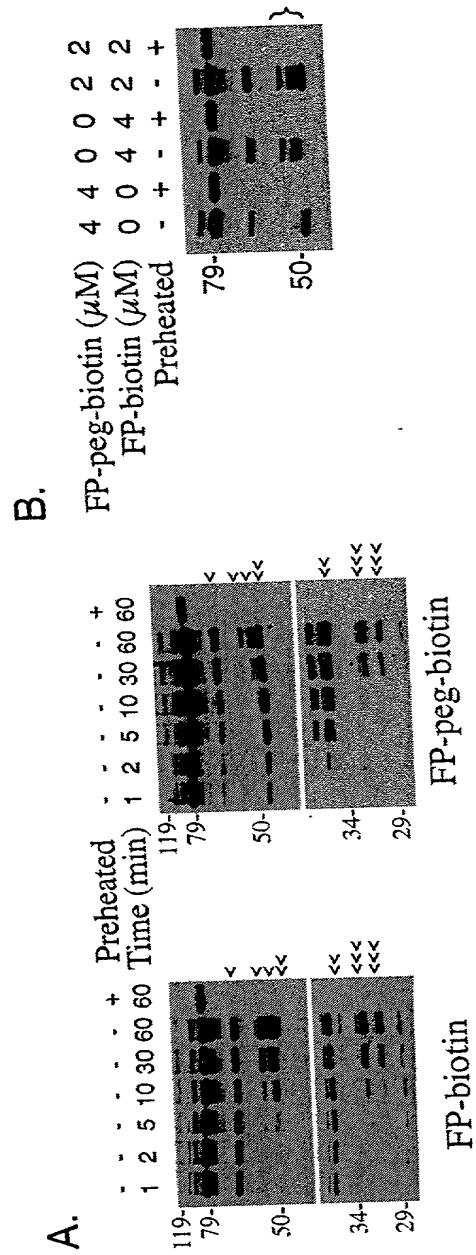


FIGURE 21

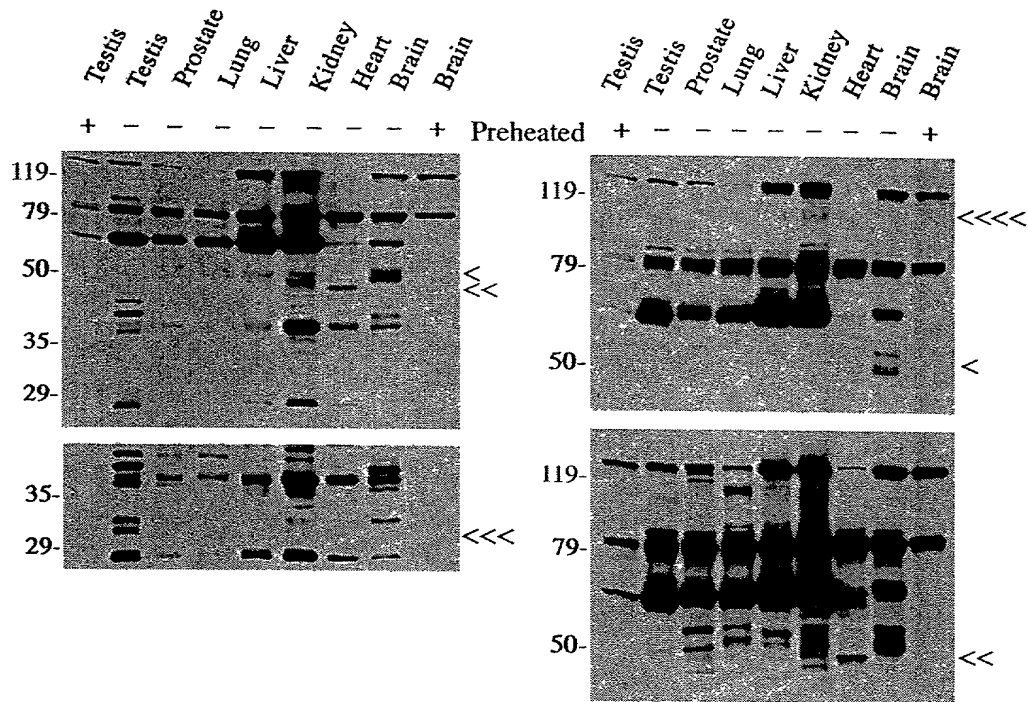


FIGURE 22

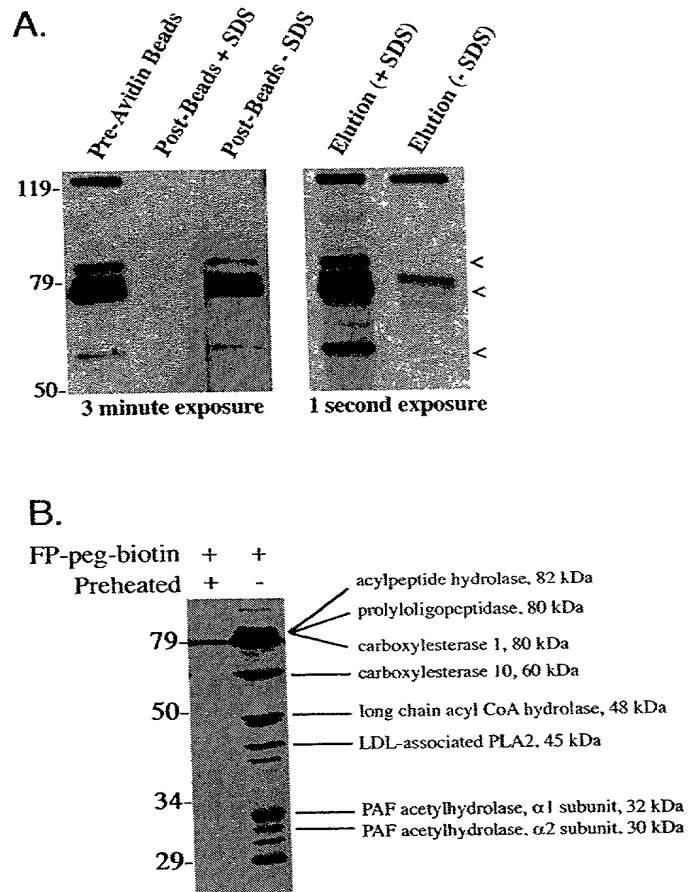


FIGURE 23